

# *EPE Newsletter November 2006*

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7. Technically sponsored conferences



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## **Our Mission**

"To lead the high-performance segment of the EDA market by leveraging electromagnetics across component, circuit and system design."

## 1. EPE 2007: Call for papers: Deadline for the receipt of synopses: 18 December 2006

### EPE 2007 Call for papers

Following numerous request from prospective authors, the deadline for submissions of papers to the EPE 2007 Conference has been extended to **December 18th, 2006**. Please note that no additional extension can be granted.

All information is available from the conference Internet Site <http://www.epe2007.com>

Uploading synopses is available with a few clicks

The papers presented during the conference will be posted on IEEE Xplore and be cited in EI (Engineering Index).

### The sponsors:



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## **2. Join EPE/ECPE European Workshop "Energy Efficiency in FP7? The Role of Power Electronics":**

Wednesday, 7 February 2007 in Brussels (in the permanent representation of Bavaria, Brussels)

One key topic in society, on the European level and globally, is energy saving and improved energy efficiency. The role of power electronics for energy efficiency will be highlighted in a European Workshop organised by ECPE European Center for Power Electronics in cooperation with EPE Association. The objectives are to:

- demonstrate the energy saving potential of power electronics e.g. in lighting, drives, stand-by mode
- highlight the topics in FP7 where power electronics can be demonstrated to improve energy efficiency
- explore where R&D needs to be carried out in power electronics to improve energy efficiency giving examples, and a vision of what could be achieved in the future
- demonstrate the important link between improved power electronics and energy saving,
- preparation of concrete research proposals: consortia and topics

### **Information:**

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## **3. EPE Chapter on Wind, 1<sup>st</sup> Symposium, Brussels, 21-22 March 2007**

The EPE Chapter on Wind will organise its 1st Symposium on 21-22 March 2007 in Brussels at the Vrije Universiteit Brussels. Contributions are expected on the following topics (not exhaustive):

1. Low loss converters for DFIGs and Direct Driven Generators
2. Control of the DFIG included the converters
3. Technologies to achieve required Grid Codes
4. Grid connection for offshore wind farms
5. Technologies for floating offshore wind farms

Prospective authors are requested to send a 3-pages synopsis to the EPE Secretariat:

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c/o VUB-IrW-ETEC  
Pleinlaan 2  
B-1050 Brussels  
Belgium  
[bsneyers@vub.ac.be](mailto:bsneyers@vub.ac.be)

## **4. European Seminar on "Power Converters for the Future European Electricity Network": Vienna, Austria, 25 May 2007**

On Friday 25 May 2007, the day after closing of CIRED 2007 Conference, EPE Association organizes a half-day seminar on the topic "**Power Converters for the Future European Electricity Network**". Invited lectures from representatives of the European programmes Dispower, Fenix and UNIFLEX-PM will be presented and will lead to a workshop/panel discussion.

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<http://www.eee.nott.ac.uk/uniflex/>

## 5. Contents of EPE Journal: <http://www.epe-association.org>

EPE Journal is included in the Science Citation Index. Send your best technical papers for publication to [bsnevers@vub.ac.be](mailto:bsnevers@vub.ac.be) (pdf file, without any mention of authors, full coordinates in the mail message)

### Vol 16 no 4: a series of peer reviewed papers

A novel split phase induction motor drive without harmonic filters and with linear voltage control for the full modulation range, K. K. Mphapatra, K. Gopakumar, CEDT, Indian Institute of Technology, India

Computer Aided Control Optimization of Power Converters, Federico Belloni, Piero Maranesi, Marco Riva, University of Milan, Italy

Sensorless Direct Instantaneous Torque Control for Switched Reluctance Machines, Nisai H. Fuengwarodsakul, Stefan E. Bauer, Christian P. Dick, Rik W. De Doncker, ISEA, Germany

Control of a stand-alone variable speed constant frequency generator based on a doubly-fed induction machine, Nicolas Patin, Jean-Paul Louis, Satie, ENS de Cachan, Eric Monmasson, Satie, Université de Cergy-Pontoise, France

Steady state electrical design, power performance and economic modeling of offshore wind farms, M. Damen, P. Bauer, S.W.H.de Haan, Delft University of Technology; J.T.G.Pierik, Netherlands Energy Research Foundation, ECN, The Netherlands

Single-phase resonant converter in three-phase system in modular approach, M.R.Ramteke, H. M. Suryawanshi, K.L. Thakre, Visvesvaraya National Institute of Technology, India

### Vol 17 no 1: a series of peer reviewed papers

A Five-Level Inverter Topology with Common-Mode Voltage Elimination for Induction Motor Drives, P. N. Tekwani, R. S. Kanchan, K. Gopakumar, CEDT, India; A. Vezzini, Berne University of Applied Science, Biel School of Engineering and Information Technologies, Biel, Switzerland

Comparison of the induction motors stator fault monitoring methods based on current negative symmetrical component, Abdesselam Lebaroud, Guy Clerc, Cegely –UCBL, France; Abdelmalek Khezzar, Ammar Bentounsi, Laboratoire d'Electrotechnique de Constantine, Université de Mentouri, Constantine, Algeria

Hybrid circuit breaker test bench, Guillaume Bats, CAPSIM ; Philippe Ladoux, Jean Marc Blaquièrre, INPT-ENSEEIH ; Marc Francis, AREVA TA, France

Modelling of the supercapacitors during self-discharge, Hamid Gualous, A. L2ES Univ. Franche Comté, P. Venet, Z. Ding, G. Rojat, CEGELY, France

Linearization of the multi-level SVPWM signal generation in the over-modulation region extending up to six-step mode using only the sampled amplitudes of reference phase voltages, R. S. Kanchan, P. N. Tekwani, K. Gopakumar, CEDT, India

Simple Control of Photovoltaic Generator Systems with High-Speed Maximum Power Point Tracking Operation, Toshiya Yoshida, Kasumi Ohniwa, Osamu Miyashita, Tokyo Denki University, Japan

A space vector PWM technique for symmetrical six-phase voltage source inverters, Drazen Dujic, Atif Iqbal, Emil Levi, Liverpool John Moores University, UK

### Vol 17 no 2 and following: a series of peer reviewed papers, still to be programmed

Linearization of the multi-level SVPWM signal generation in the over-modulation region extending up to six-step mode using only the sampled amplitudes of reference phase voltages, R. S. Kanchan, P. N. Tekwani, K. Gopakumar, CEDT, India

Active Flicker Compensation in Medium- Voltage Lines Using Multilevel Converters, Giuseppe Buja, University of Padova, Simone Castellan, University of Trieste, Italy  
Active compensation for supply voltage unbalance on two-stage direct power converter, Thiwanka Wijekoon, Christian Klumpner, Patrick Wheeler, University of Nottingham, UK

Small-Signal Modeling and Analysis of DC Distributed Power Systems, Per Karlsson, Lund University, Sweden

Several principles for controllers associations, D. Alejo, P. Maussion, P. Faucher, INPT-LEEI, France

Improvement Schemes of Control Performance for Matrix Converter, Hideki Oguchi, Fuji Electric Advanced Technology Co Ltd; Jun-ichi Itoh, Nagaoka University of Technology, Japan

## 6. Future issues of EPE Journal (included in the Science Citation Index):

To receive a copy of the issues: become a member of the EPE Association: [epe-association@vub.ac.be](mailto:epe-association@vub.ac.be) and get access to the Unique EPE Technical Data base: Thousands of peer reviewed papers in the field.

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## 7. Technically sponsored conferences

2-5 April 2007

### **PCC Nagoya – The 4<sup>th</sup> Power Conversion Conference – Nagoya, Japan**

#### **Paper Submission Office of PCC-Nagoya 2007**

c/o ICS Convention Design., Inc.

Sumitomo Corporation Jinbocho Building

3-24, Kanda-Nishikicho, Chiyoda-ku,

Tokyo, 101-8449, Japan

Phone: +81-3-3219-3600 Fax: +81-3-3292-1811

e-mail: [pccnagoya@ics-inc.co.jp](mailto:pccnagoya@ics-inc.co.jp)

Website: <http://www.ics-inc.co.jp/pcc/>

3-5 May 2007

### **International Electric Machines and Drives conference, Antalya, Turkey,**

Contact: Professor Okyay Kaynak, General Chair,

IEMDC'07, [kaynak@boun.edu.tr](mailto:kaynak@boun.edu.tr)

Professor Herbert L. Hess

Technical Chair, IEMDC'07

[hhess@ieee.org](mailto:hhess@ieee.org); <http://www.iemdc07.org>.

October 21 - 25, 2007

The 7th International Conference on Power Electronics

ICPE '07

**EXCO (Daegu Exhibition & Convention Center), Daegu, Korea**

Important Dates

Deadline for Digests **April 30, 2007**

Author's Notification of Acceptance **June 15, 2007**

Deadline for Final Manuscripts **August 31, 2007**

#### **Organized by**

The Korean Institute of Power Electronics (KIPE)

**First Call for Papers** <http://www.icpe.or.kr>

**For Further Information, Please Contact**

ICPE'07 (KIPE)

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